

OK TO ENTER: /K.G./

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CLAIMS

1. (currently amended) An explosive composition comprising explosive crystals of RDX Type I, a polyacrylic elastomer and a plasticizer, wherein the polyacrylic elastomer is Hy Temp 4454 or Hy Temp 4054, and that the plasticizer is dioctyl adipate (DOA), dioctyl sebacate (DOS), isodecyl pelargonate (IDP), dioctyl maleate (DOM) or dioctyl phthalate (DOP) characterised in that RDX crystals represent a proportion in the range 88-96% by weight of the composition, and that the RDX crystals comprises a portion of coarse crystals with an average crystal size in the range 50 to 250 µm and a portion of finer crystals with average crystal size in the range 2 to 30 µm.
2. (previously presented) An explosive composition comprising explosive crystals of RDX Type I and HMX, a polyacrylic elastomer and a plasticizer, wherein the polyacrylic elastomer is Hy Temp 4454 or Hy Temp 4054, and that the plasticizer is dioctyl adipate (DOA), dioctyl sebacate (DOS), isodecyl pelargonate (IDP), dioctyl maleate (DOM) or dioctyl phthalate (DOP) characterised in that the explosive crystals represent a proportion in the range 88-96% by weight of the total composition, that the RDX crystals comprises a portion of coarse crystals with an average crystal size in the range 50 to 250 µm and a portion of finer crystals with average crystal size in the range 2 to 30 µm, and that the HMX crystals represent a proportion in the range from 5 to 20% by weight of the explosive crystals in the composition.
3. (previously presented) An explosive composition according to claim 1 or 2,